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Application Number

Based on PTO/SB/21 (05-03)

10/040,963

Approved for use through 04/30/2003. OMB 0651-0031
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FORM (to be used for all correspondence after initial filing) Total Number of Pages in This Submission Attorney Docket Number Total Number of Pages in This Submission Attorney Docket Number Fee Transmittal Form Assignment Papers (for an application) Fee Attached Drawing(s) After Allowance Communication to Group Appeal Communication to Board of Appeals and Interferences Appeal Communication to Group Appeal Communication Depoil Conversion to Group Appeal Communication Depoil Conversion to Group Appeal Communica	TRANSMITT	AL	Filing Date		1/5/02
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Enclosures (Check all that apply) Fee Transmittal Form			Examiner Name		Vuthe Siek
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Appeals and Interferences Appeal Communication to Group (Appeal Notice, Brief, Repty Brief) After Final Petition Proprietary Information Affidavits/declarations(s) Petition Proprietary Information Status Letter Other Enclosures Wisted below): Postcard Form 1449 To cited references To Creffied Copy of Priority Documents Response to Missing Parts Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Or Individual name Mati Adeli Res. No. 39,585 of Stattler Johansen & Adeli LLP Signature Date November 5, 2003 CERTIFICATE OF TRANSMISSION/MAILING Licensing-related Papers Appeals and Interferences Appeal Communication to Group (Appeal Notice, Brief, Repty Brief) Proprietary Information Status Letter Other Enclosures Wisted below): Postcard Form 1449 To cited references To Charge of Correspondence Address Request for Refund Signature November 5, 2003 CERTIFICATE OF TRANSMISSION/MAILING Incomplete Application CERTIFICATE OF TRANSMISSION/MAILING Incomplete Application Appeals and Interferences Appeal Notice, Brief, Repty Brief) Proprietary Information Proprietary Information Other Enclosures Wisted below): Postcard Form 1449 To Cited references To Cited references To Charge of Correspondence Address Other Enclosures Wisted below): Postcard Form 1449 To Cited references To Charge of Correspondence Address Application Proprietary Information Other Enclosures Wisted below): Postcard Form 1449 To Cited references To Cited reference To Cited referen	Fee Transmittal Form				
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Steven Teig

Serial No.:

10/040,963

Filing Date:

1/5/02

For:

ROUTING METHOD AND

APPARATUS

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, applicants submit with this Information Disclosure Statement the attached Form PTO-1449, and copies of the documents listed in the 1449 form for consideration by the Examiner. The Examiner is requested to make these documents of record. Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

This Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

This Information Disclosure Statement is submitted: After receipt of a first Office Action on the merits but before a final Office Action or Notice of Allowance. A fee is required. A fee in the amount of \$180 is enclosed.

In the unlikely event that the submitted fee is separated from this document and the Patent Office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 50-1128** referencing SPLX.P0023. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: November 5, 2003

Respectfully submitted,

3y: __/_V

Registration No. 39,585

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Palo Alto, CA 94303-0728

Phone No. (650) 752-0990 x102 Fax No. (650) 752-0995



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				U.S.	PATENT DOCUMENTS	
Examiner* Initials	Cite No.1	U.S. Patent Document Number Kind Code ² (if known)		Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	2001/0009 031	A1	07-19-2001	Nitta et al.	
	2.	4,593,363		06-03-1986	Burstein et al.	
	3.	5,267,176		11-30-1993	Antreich et al.	
	4.	5,618,744		04-08-1997	Suzuki et al.	
•	5.	5,566,078		10-15-1996	Ding et al.	RECE NOV I
	6.	5,587,923		12-24-1996	Wang	CHI
	7.	5,635,736		06-03-1997	Funaki et al.	REC
	8.	5,637,920		06-10-1997	Loo	N I
	9.	5,640,327		06-17-1997	Ting	HIVE 13 20 13 20
	10.	5,784,289		07-28-1998	Wang	3 2003 CENTER
	11.	5,798,936		08-25-1998	Cheng	R
	12.	5,838,583		11-1998	Varadarajan et al.	2800
	13.	5,980,093		11-09-1999	Jones et al.	0
	14.	6,150,193		11-21-2000	Glenn	
	15.	6,209,123	B1	03-27-2001	Maziasz et al.	
	16.	6,219,832	B1	04-17-2001	Buzbee	
	17.	6,249,902	B1	06-19-2001	Igusa et al.	
	18.	6,253,363	B1	06-26-2001	Gasanov et al.	
	19.	6,295,634	B1	09-25-2001	Matsumoto	
,	20.	6,307,256		10-23-2001	Chiang et al.	
	21.	6,316,838	B1	11-13-2001	Ozawa et al.	

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Application Number 10/040,963 Substitute for form 1449A/PTO 1/5/02 Eiling Date NFORMATION DISCLOSURE **ATEMENT BY APPLICANT**

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Filing Date	1/5/02
First Named Invent r	Steven Teig
Group Art Unit	2825
Examiner Name	V. Siek
Attorney Docket Number	SPLX.P0023

U.S. PATENT DOCUMENTS							
22.	6,324,675	B1	11-27-2001	Dutta et al.			
23.	6,327,693	B1	12-04-2001	Cheng et al.			
 24.	6,330,707		12-11-2001	Shinomiya et al.	· ·		
 25.	6,407,434	B1	06-18-2002	Rostoker et al.			
26.	6,415,422	B1	07-02-2002	Mehrotra et al.			
27.	6,442,743	B1	08-27-2002	Sarrafzadeh et al.			
28.	6,448,591	B1	09-10-2002	Juengling			
29.	6,473,891	B1	10-29-2002	Shively	===		
30.	6,480,991	B1	11-12-2002	Cho et al.	TECHNOL RE		
31.	6,490,713	B2	12-03-2002	Matsumoto	NO RA		
32.	6,546,540	B1	04-08-2003	Igarashi et al.	l se or 'C		
33.	6,557,145	B2	04-29-2003	Boyle et al.			
34.	6,567,967	B2	05-20-2003	Greidinger et al.	3 200 CENT		

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Examiner* Initials	Cite No.1	For Office ³		ent d Code nown) ⁵	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	35.	JP	411296560	Α	10-29-1999	Matsumoto et al.	with English translation of Abstract;	
	36.	JP	2000-82743		03-21-2000	Igarashi et al.	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	1

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			FOREIGN PA	ATENT DOCUMENTS		
37.	JP	H03-173471	07-26-1991	Tawada et al.	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√
38.	JP	H05-243379	09-21-1993	Masako Kuboto	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√
39.	JP	H05-102305	04-23-1993	Akihiro Sato	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√
40.	JP	H07-86407	03-31-1995	Shinpei Miura	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√
41.	JP	H09-162279	06-20-1997	Masaaki Yoshida	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√

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		NON PATENT LITERATURE DOCUMENTS	
Examiner* Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
inidais	42.	Ahuja, R. et al., Faster Algorithms for the Shortest Path Problem, Journal of the Association for Computing Machinery, vol. 37, No. 2, April 1990, pp. 213-223.	
	43.	Brady, L. et al., Channel Routing on a 60° Grid, extended abstract, pp. 956-931.	
	44.	Brambilla, A. et al., Statistical Method for the Analysis of Interconnects Delay in Submicrometer Layouts, IEEE, 8/2001, pp. 957-966.	
	45.	Carothers, K., A Method of Measuring Nets Routability for MCM's General Area Routing Problems, 1999, pp. 186-192.	
	46.	Chen, H. et al., Physical Planning of On-Chip Interconnect Architectures, 2002, IEEE, International Conference, pp. 30-35.	
	47.	Cheng, K., Steiner Problem in Octilinear Routing Model, a Thesis Submitted for the Degree of Master of Science, National University Singapore, 1995, pp. 1-122.	
	48.	Cheng, K. et al., Manhattan or Non Manhattan? A Study of Alternative VLSI Routing Architectures, pp 47-52, 2000.	
	49.	Chip Model with Wiring Cost Map, August 1983, IBM Technical Disclosure Bulletin, vol. 26, iss. 3A, pp. 929-933.	
	50.	Cong, J. et al., Efficient Heuristics for the Minimum Shortest Path Steiner Arborescence Problem with Applications to VLSI Physical Design, Cadence Design Systems and UCLA Computer Science Department, pp.88-95.	
	51.	Cong, J. et al., Performance-Driven Multi-Layer General Routing for PCB/MCM Designs, UCLA Computer Science Department, 1998, pp. 356-361.	
	52.	Enbody, R. et al., Near-Optimal <i>n</i> -Layer Channel Routing, 23 rd Design Automation Conference, 1986, pp. 708-714.	
	53.	Fang, S. et al., Constrained Via Minimization with Practical Considerations for Multi-Layer VLSI/PCB Routing Problems, 28 th ACM/IEEE Design Automation Conference, 1991, pp. 60-65.	
	54.	Hom, I. et al., Estimation of the Number of Routing Layers and Total Wirelength in a PCB Through Wiring Distribution Analysis, 1996, pp. 1-6.	
	55.	Hong, X. et al., Performance-Driven Steiner Tree Algorithms for Global Routing, 30 th ACM/IEEE Design Automation Conference, 1993, pp. 177-181.	

١	Examiner	Date	
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	NON PATENT LITERATURE DOCUMENTS
 56.	Khoo, K. et al., An Efficient Multilayer MCM Router Based on Four-Via Routing, 30 th ACM/IEEE Design Automation Conference, 1993, pp. 590-595.
 57.	Lillis, J. et al., Table-Lookup Methods for Improved Performance-Driven Routing, 1998, pp. 368-373.
 58.	Lipski, W. et al., A Unified Approach to Layout Wirability, Mathimatical Systems Theory, 1987, pp. 189-203.
 59.	Lodi, E. et al., A Preliminary Study of a Diagonal Channel-Routing Model, Algorithmica, 1989, pp.585-597.
60.	Lodi, E. et al., Lecture Notes in Computer Science, A 4d Channel Router for a Two Layer Diagonal Model, pp. 464-476, July 1988.
61.	Naclerio, N. et al., Via Minimization for Gridless Layouts, 24 th ACM/IEEE Design Automation Conference, 1987, pp. 159-165.
62;	Nam, G. et al, Satisfiability-Based Layout Revisited: Detailed Routing of Complex FPGAs Via Search-Based Boolean SAT, 1999, pp. 167-175.
63.	Oh, J. et al., Constructing Lower and Upper Bounded Delay Routing Trees Using Linear Programming, 33 rd Design Automation Conference, 1996.
64.	Partitioning Logic on to Graph Structure, IBM Technical Disclosure Bulletin, February 1990, vol. 32, iss. 9A, pp. 469-475.
 65.	Phillips, N., Channel Routing by Constraint Logic, Department of Computer Science Southern Illinois University, ACM, 1992.
66.	Takashima, Y. et al, Routability of FPGAs with Extremal Switch-Block Structures, IEICE Trans. Fundamentals, vol. E81-A, No. 5, May 1998, pp. 850-856.
 67.	Thakur, S. et al., Algorithms for a Switch Module Routing Problem, 1994, pp. 265-270.
 68.	Theune, D. et al., HERO: Hierarchical EMC-constrained routing, 11/1992, IEEE pp 468-472.
69.	Tseng, H., Timing and Crosstalk Driven Area Routing, pp. 378-381.

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	NON PATENT LITERATURE DOCUMENTS
70.	Wang, D., Novel Routing Schemes for IC Layout, Part I: Two-Layer Channel Routing, 28 th ACM/IEEE Automation Conference, 1991, pp. 49-53.
71.	Wang, M. et al., Modeling and Minimization of Routing Congestion, Jan. 2000, IEEE proceedings of ASP-DAC, Asia and South Pacific, pp. 185-190.
72.	Wood, G. et al., FPGA Routing and Routability Estimation Via Boolean Satisfiability, Department of Electrical and Computer Engineering Carnegie Mellon University, Pittsburgh, PA, pp. 119-125.
73.	Zhang, C.X. et al., Floorplan Design Using a Hierarchical Neutral Learning Algorithm, IEEE, 6/1991. pp. 2060-2063.
74.	Zhou, H. et al., An Optimal Algorithm for River Routing with Crosstalk Constraints, 1996.
75.	Zhou, H. et al., Global Routing with Crosstalk Constraints, Department of Computer Sciences, University of Texas, 1998, pp. 374-377.
76.	Zhou, H. et al., Optimal River Routing with Crosstalk Constraints, ACM Transactions on Design Automation of Electronic Systems, vol. 3, No. 3, July 1998, pp. 496-514.

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